

U.S. Patent Application Serial No. 10/519,410
Amendment filed March 27, 2007
Reply to OA dated November 28, 2006

AMENDMENTS TO THE CLAIMS:

Please amend claims 1-15, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A biodegradable sheet for molding, comprising a resin composition, wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, wherein the polylactic acid resin in the sheet has a degree of crystallization of 45% or less, and wherein the thickness of the sheet is 100 μ m to 500 μ m.

Claim 2 (Currently Amended): A biodegradable sheet for molding, comprising a resin composition, wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point of 90°C or more, and wherein the polylactic acid resin in the sheet has a degree of crystallization of 45% or less, and wherein the thickness of the sheet is 100 μ m to 500 μ m.

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Claim 3 (Currently Amended): The biodegradable sheet for molding according to claim 2, wherein the polylactic acid resin has a degree of crystallization of 20% or less.

Claim 4 (Currently Amended): The biodegradable sheet for molding according to claim 3, wherein the polyester is a biodegradable aliphatic polyester ~~other than the~~ that is not a polylactic acid resin.

Claim 5 (Currently Amended): A biodegradable sheet for molding, comprising a resin composition, wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, wherein the thickness of the sheet is 100 μ m to 500 μ m, and wherein a molded article molded from the sheet has a volume reduction ratio of 6% or less.

Claim 6 (Currently Amended): A biodegradable sheet for deep-drawing, comprising a resin composition, wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, wherein the thickness

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of the sheet is 100 μm to 500 μm , and wherein the polylactic acid resin in the sheet has a degree of crystallization of 45% or less.

Claim 7 (Currently Amended): A molded article molded from a sheet that comprises a resin composition, wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and having a volume reduction ratio of 6% or less, and wherein the thickness of the sheet is 100 μm to 500 μm .

Claim 8 (Currently Amended): A molded article molded from a biodegradable sheet for molding that comprises a resin composition, wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of crystallization of 45% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester, and having a volume reduction ratio of 6% or less.

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Claim 9 (Currently Amended): The molded article according to claim 8, which is molded from a biodegradable sheet for molding that comprises a resin composition, wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of crystallization of 45% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester, and then post-crystallized at a temperature not lower than the glass transition temperature of the polylactic acid resin and lower than the melting point of the polyester, and having a volume reduction ratio of 6% or less.

Claim 10 (Currently Amended): A method for producing a molded article, comprising forming a molded article from a biodegradable sheet for molding that comprises a resin composition, wherein the thickness of the sheet is 100 μm to 500 μm , wherein the resin composition ~~containing~~ contains 75 to 25 mass% of a polylactic acid resin and 25 to 75 mass% of a polyester having a glass transition temperature of 0°C or less and a melting point higher than the glass transition temperature of the polylactic acid resin, ~~based on total~~ wherein the sum of the polylactic acid resin and the polyester is 100 mass%, and wherein the polylactic acid resin in the sheet has a degree of

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crystallization of 45% or less, at a temperature not lower than a melting point of the polyester and lower than a temperature by 30°C higher than the melting point of the polyester.

Claim 11 (Currently Amended): The method for producing a molded article according to claim 10, further comprising post-crystallizing the molded article formed from the biodegradable sheet for at the molding temperature, at a temperature not lower than the glass transition temperature of the polylactic acid resin and lower than the melting point of the polyester.

Claim 12 (Currently Amended): The biodegradable sheet for molding according to claim 1, wherein the polylactic acid resin has a degree of crystallization of 20% or less.

Claim 13 (Currently Amended): The biodegradable sheet for molding according to claim 12, wherein the polyester is a biodegradable aliphatic polyester ~~other than the~~ that is not a polylactic acid resin.

Claim 14 (Currently Amended): The biodegradable sheet for molding according to claim 1, wherein the polyester is a biodegradable aliphatic polyester ~~other than the~~ that is not a polylactic acid resin.

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Claim 15 (Currently Amended): The biodegradable sheet for molding according to claim 2, wherein the polyester is a biodegradable aliphatic polyester ~~other than the~~ that is not a polylactic acid resin.